Performance Data Sheet

AVD5535EXN

General Information

Model	AVD5535EXN	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PTCS_CR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	9730	8090					
	Watts	1320	1280					
	Amps	5.90	5.74					
	Lb/h	127	109					
-10	Btu/h	11600	9830	8240				
	Watts	1450	1430	1410				
	Amps	6.46	6.38	6.32				
	Lb/h	150	131	114				
-5	Btu/h	13800	11900	10200	8600			
	Watts	1570	1560	1570	1560			
	Amps	6.97	6.97	6.99	6.97			
	Lb/h	177	158	141	124			
0	Btu/h	16300	14300	12500	10700	9030		
	Watts	1670	1690	1710	1730	1720		
	Amps	7.43	7.51	7.61	7.68	7.67		
	Lb/h	208	188	171	153	135		
5	Btu/h	19200	17100	15000	13100	11300		
	Watts	1770	1800	1840	1880	1900		
	Amps	7.83	7.99	8.18	8.35	8.43		
	Lb/h	243	223	205	186	168		
10	Btu/h	22400	20100	17900	15900	13800	11800	9720
	Watts	1840	1900	1960	2020	2060	2070	2040
	Amps	8.17	8.42	8.70	8.96	9.14	9.19	9.04
	Lb/h	281	261	242	223	204	183	159
15	Btu/h	26000	23500	21100	18900	16600	14400	12100
	Watts	1910	1990	2070	2150	2220	2250	2250
	Amps	8.45	8.79	9.17	9.53	9.82	9.97	9.93
	Lb/h	323	303	283	264	244	221	196
20	Btu/h	29800	27200	24600	22200	19700	17300	14800
	Watts	1960	2060	2170	2270	2360	2420	2440
	Amps	8.68	9.12	9.59	10.1	10.4	10.7	10.8
	Lb/h	369	348	328	308	287	264	237

25	Btu/h	34000	31100	28400	25800	23100	20500	17700
	Watts	2000	2120	2250	2380	2500	2580	2630
	Amps	8.84	9.38	9.96	10.5	11.0	11.4	11.6
	Lb/h	417	396	376	355	333	309	282
30	Btu/h	38400	35400	32500	29600	26700	23900	20900
	Watts	2020	2170	2330	2480	2620	2740	2810
	Amps	8.95	9.59	10.3	11.0	11.6	12.1	12.4
	Lb/h	469	448	427	405	383	358	329
35	Btu/h	43200	39900	36800	33700	30600	27500	24300
	Watts	2030	2200	2390	2570	2740	2880	2980
	Amps	8.99	9.74	10.5	11.3	12.1	12.7	13.1
	Lb/h	524	502	481	459	435	410	380
40	Btu/h	48200	44800	41400	38100	34800	31400	27900
	Watts	2030	2230	2440	2650	2840	3010	3140
	Amps	8.98	9.84	10.8	11.7	12.5	13.3	13.8
	Lb/h	582	560	538	515	491	464	434
45	Btu/h	53500	49900	46300	42700	39100	35500	31700
	Watts	2010	2230	2470	2710	2930	3140	3300
	Amps	8.90	9.87	10.9	11.9	12.9	13.8	14.5
	Lb/h	642	620	597	574	549	522	490
50	Btu/h	59100	55200	51400	47600	43800	39800	35800
	Watts	1970	2230	2500	2760	3020	3250	3440
	Amps	8.76	9.85	11.0	12.2	13.3	14.3	15.1
	Lb/h	705	682	660	636	610	582	549
55	Btu/h	65000	60900	56800	52700	48600	44400	40100
	Watts	1930	2210	2510	2800	3090	3350	3580
	Amps	8.55	9.77	11.1	12.3	13.6	14.7	15.7
	Lb/h	770	747	724	700	674	644	611

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.331407E+04	3.264646E+03	1.461120E+01	5.327388E+02
C2	6.962169E+02	-6.032304E+00	-2.050317E-02	6.181737E+00
C3	-5.111987E+02	-5.387171E+01	-2.446113E-01	-7.140623E+00
C4	8.295902E+00	-4.198915E-01	-1.748621E-03	7.499822E-02
C5	-1.166051E+00	2.702679E-01	1.035183E-03	1.655783E-02
C6	2.764776E+00	5.903499E-01	2.693719E-03	5.159913E-02
C7	-8.818161E-03	-1.512496E-04	-9.344698E-07	-1.843269E-04
C8	-1.991369E-02	1.898579E-03	7.709458E-06	1.755061E-05
C9	-9.379439E-03	6.573678E-04	3.616777E-06	-1.435953E-04
C10	-7.378984E-03	-2.070330E-03	-9.477798E-06	-1.640670E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature